

Title (en)

An improved delivery apparatus for a self expanding retractable stent

Title (de)

Verbesserte Einführvorrichtung für einen selbstexpandierenden zurückziehbaren Stent

Title (fr)

Dispositif amélioré de mise en place d'une endoprothèse (stent) auto-expansible rétractable

Publication

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Application

EP 01309631 A 20011115

Priority

US 71408100 A 20001116

Abstract (en)

In accordance with the present invention there is provided a delivery apparatus for a self-expanding stent. The apparatus includes an outer sheath made from an elongated tubular member having distal and proximal ends, and an inner shaft located coaxially within the outer sheath. The shaft has a distal end and a proximal end. The shaft includes a removable member on an exterior surface thereof adjacent to its proximal end. The removable member being sized such that it prevents the sheath from sliding along the shaft proximal to the member until it is removed therefrom. Preferably, the distal end of the shaft further including at least two grooves disposed thereon. Preferably the apparatus includes a substantially cylindrical self-expanding stent located within the sheath. The self-expanding member having a proximal end, a distal end, a longitudinal axis extending therebetween and an interior. The self-expanding stent further including at least two spaced apart longitudinal legs having distal and proximal ends, the distal ends of the legs attached to the proximal end of the member. The legs extending proximally away from the member and each the leg including a flange adjacent its proximal end, wherein the flanges are set within the grooves of the inner shaft so as to releasably attach the stent to the inner shaft.

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Citation (applicant)

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